

FIG. 1

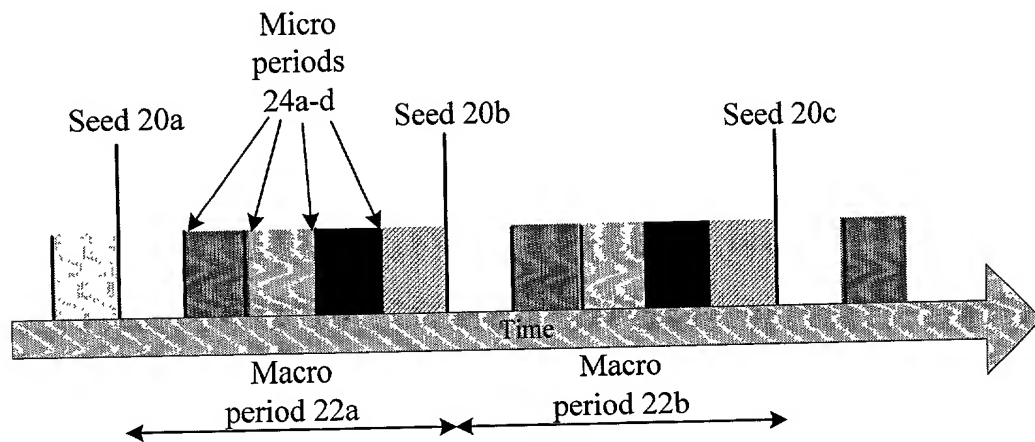


FIG. 2

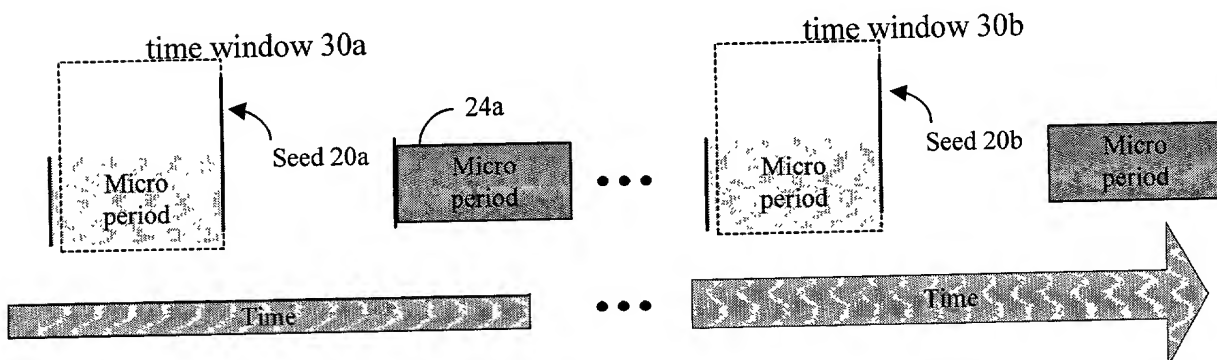


FIG. 3

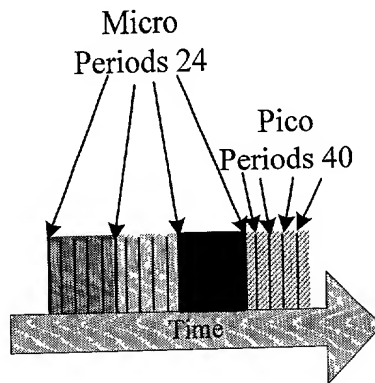


FIG. 4

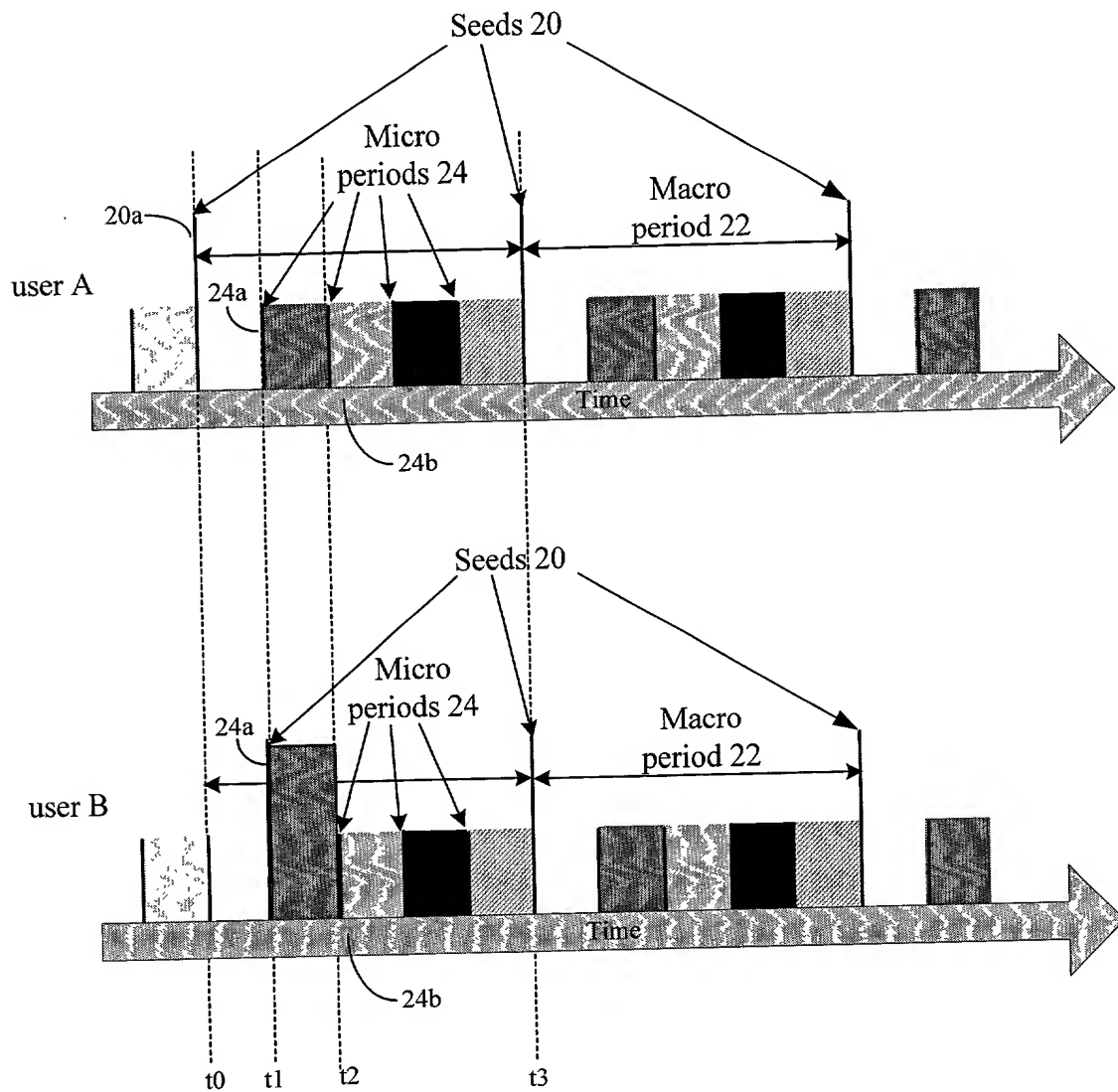


FIG. 5

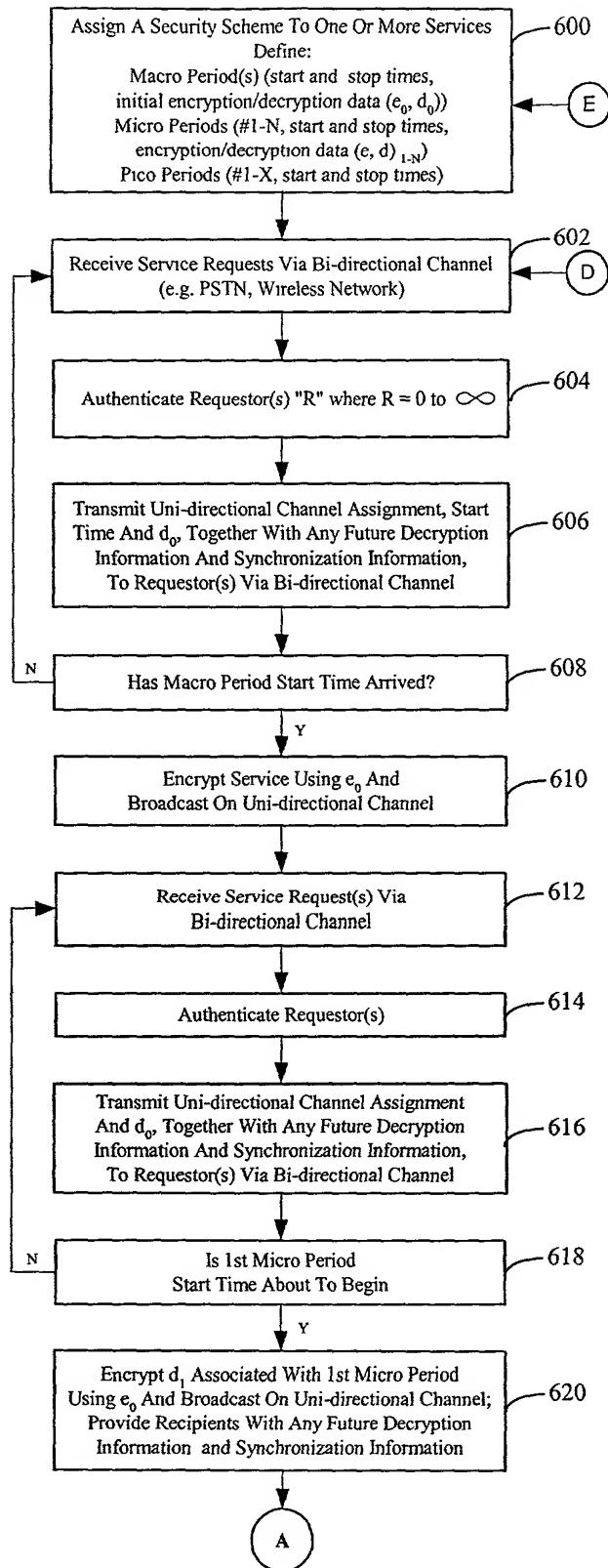


FIG. 6

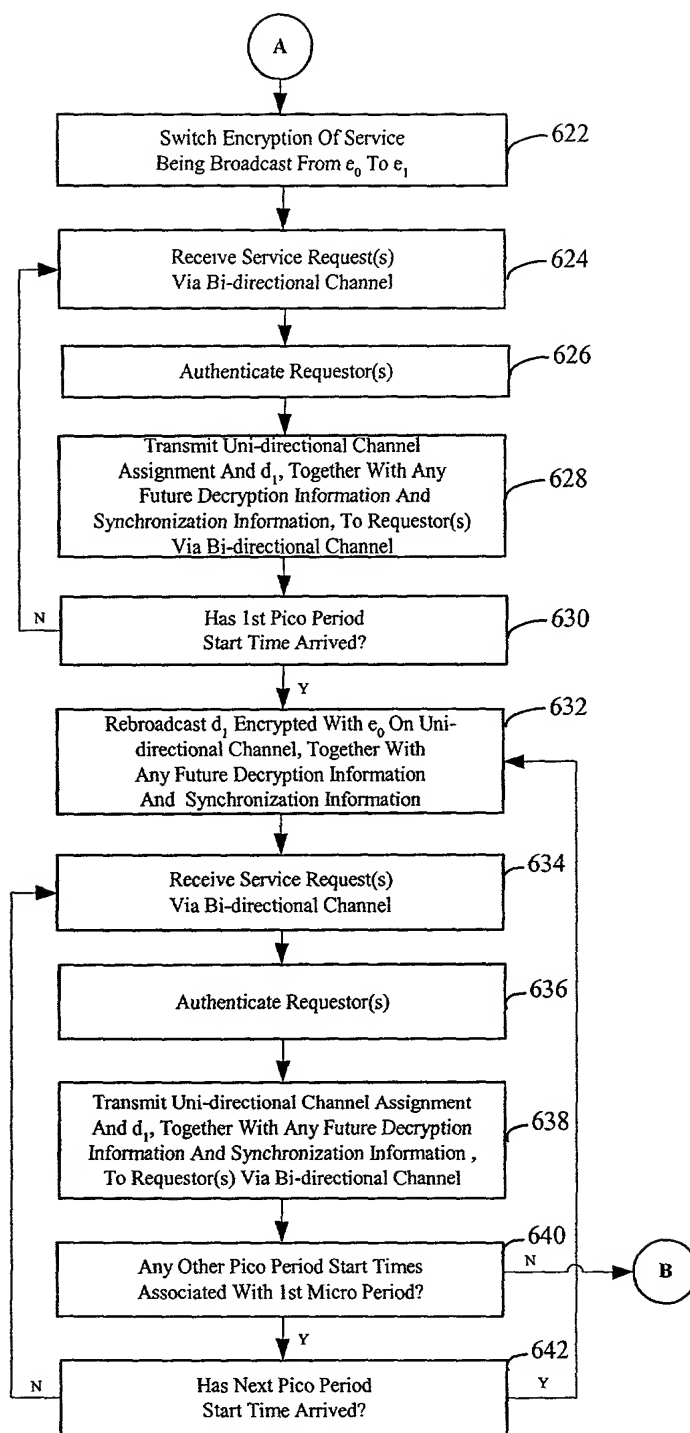


FIG. 6 (CONT.)

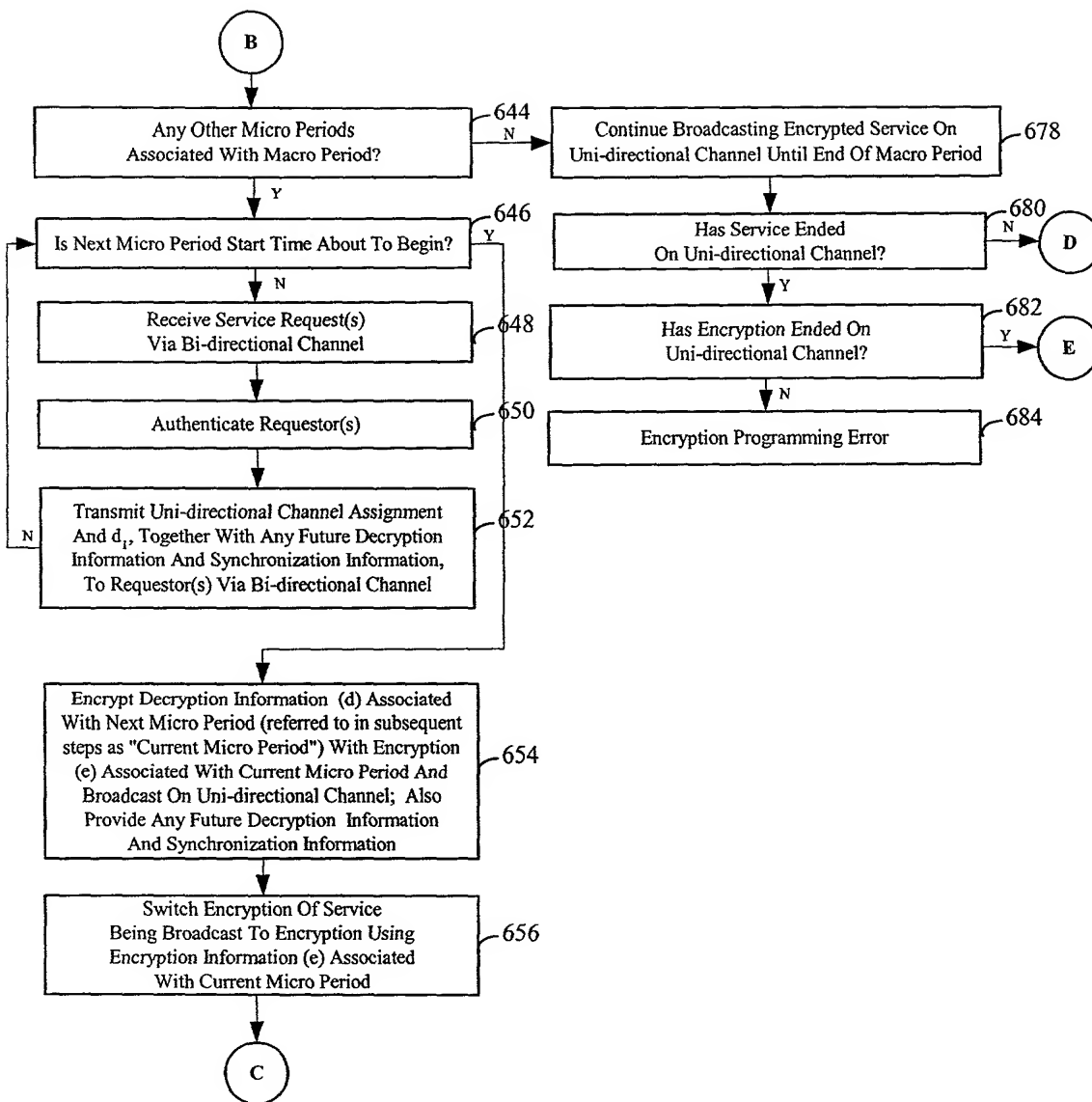


FIG. 6 (CONT.)

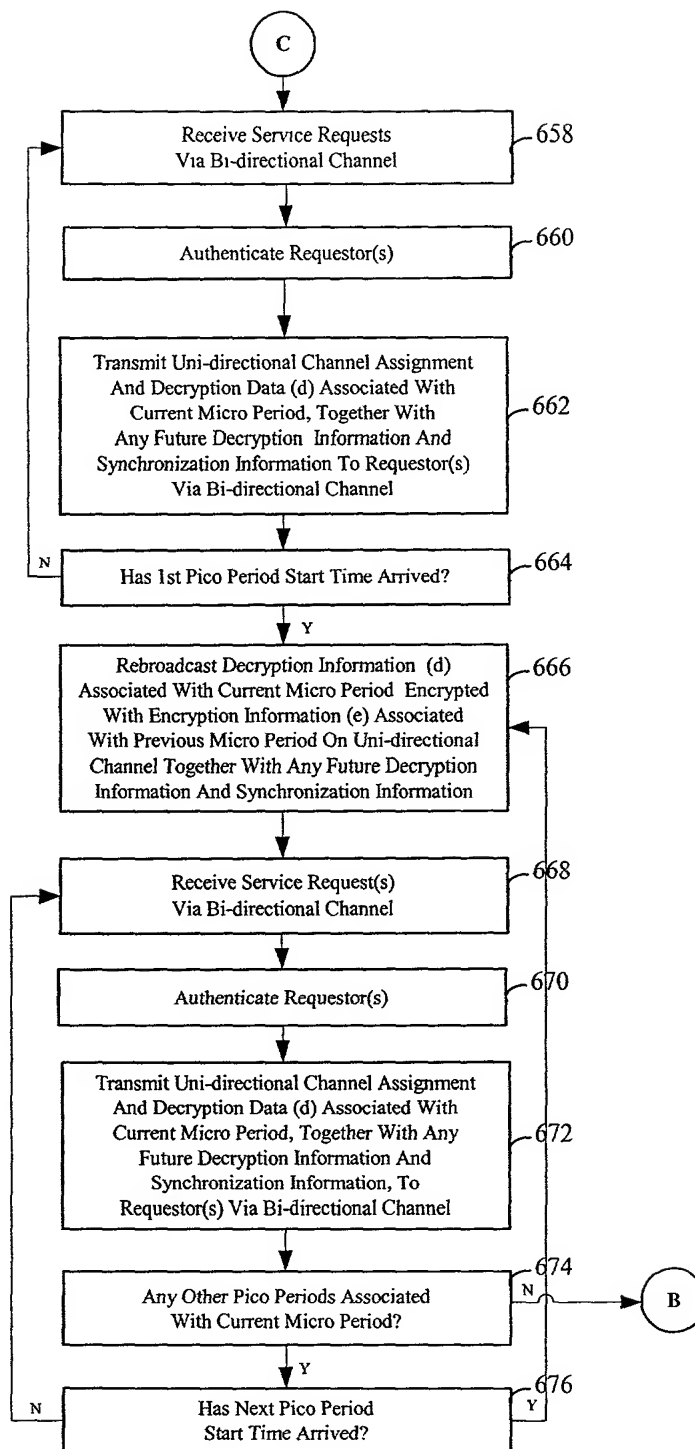


FIG. 6 (CONT.)

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graph TD
    700[Connect to Service Provider Via Bi-directional Channel (e.g., PSTN, Wireless Network, etc.) And Request Service] --> 702[Transmit Authentication Information (e.g., SIM #) To Service Provider Via Bi-directional Channel]
    702 --> 704[After Successful Authentication, Receive Current Decryption Information, Together With Any Future Decryption Information And Synchronization Information, Via Bi-directional Channel]
    704 --> 706[Receive Service Encrypted With Current Encryption Information Via Uni-directional Channel (e.g., DVB)]
    706 --> 708[Decrypt Service Using Current Decryption Information]
    708 --> 710{Has Service Been Dropped?}
    710 -- Y --> 712{Is The Current Decryption Information Still Valid?}
    710 -- N --> 730[Make "Next" Decryption Information "Current" Decryption Information]
    712 -- Y --> 716[Continue Decrypting Service Using Valid Decryption Information]
    712 -- N --> 714{Are Any Of The Stored Future Decryption Information Now Valid?}
    714 -- Y --> 716
    714 -- N --> 708
    716 --> 718{Is Future Decryption Information Available From The Network?}
    718 -- Y --> 720[Connect To Service Provider Via Bi-directional Channel And Request Future Decryption Information]
    718 -- N --> 722{Has a Next Micro/Macro Period Begun? (Based On Synchronization Information)}
    720 --> 722
    722 -- Y --> 730
    722 -- N --> 724{Has "Updated" Decryption Information (Encrypted With Current Encryption Information) Been Received Via Uni-directional Channel?}
    724 -- Y --> 726[Decrypt Updated Decryption Information Using Current Decryption Information]
    724 -- N --> 708
    726 --> 728[Receive Synchronization Information Via Uni-directional Channel]
    728 --> 700
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FIG. 7